

**TURCO MATERIAL SAFETY  
DATA SHEET**

DPM 1422

TURCO 4385 PSU

CS No.: 01720  
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Date: 08/11/92

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**SECTION I MANUFACTURER'S NAME AND ADDRESS**

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Manufacturer's Name: TURCO PRODUCTS, INC.  
DIVISION OF ATOCHEM NORTH AMERICA  
Address: 7300 BOLSA AVENUE  
WESTMINSTER, CA 92684  
Emergency telephone: (614) 387-6200  
For information: (714) 890-3600

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**SECTION II HAZARD INFORMATION**

THE FOLLOWING INGREDIENTS ARE DEFINED TO BE HAZARDOUS  
PER 29CFR 1910-1200:

NAME (CAS)	CERCLA RQ	RCRA NO	SARA REPORTABLE	%
TETRACHLOROETHYLENE (127-18-4)	100	U210	YES	35
ACGIH TLV: 50 ppm				
OSHA PEL: 25 ppm				
N-BUTYL ALCOHOL (71-36-3)	5000	U031	YES	<5
ACGIH TLV: C 50 ppm (skin)				
OSHA PEL: C 50 ppm (skin)				
DICHLOROMETHANE (75-09-2)	1000	U080	YES	25
ACGIH TLV: 50 ppm				
OSHA PEL: 500 ppm				
CHLORODIFLUOROMETHANE (75-45-6)	NOT LISTED	NOT LISTED	NO	35
ACGIH TLV: 1000 ppm				
OSHA PEL: 1000 ppm				

THE FOLLOWING INGREDIENTS ARE NOT REQUIRED TO BE LISTED BY  
29CFR 1910-1200, BUT ARE LISTED IN CONFORMANCE WITH  
THE 'RIGHT-TO-KNOW' LAWS OF CERTAIN STATES, INCLUDING  
PENNSYLVANIA AND NEW JERSEY:

POLYESTER RESIN (68152-55-6)

THE FOLLOWING INGREDIENTS ARE LISTED IN COMPLIANCE WITH  
29CFR 1910-1200, APPENDIX A(1):

TETRACHLOROETHYLENE: 34.6%  
IARC: POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B)  
NTP: MAY REASONABLY BE ANTICIPATED TO BE CARCINOGENIC (GROUP B)  
DICHLOROMETHANE: 24.1%  
IARC: POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B)  
NTP: MAY REASONABLY BE ANTICIPATED TO BE CARCINOGENIC (GROUP B)

## DOT INFORMATION

PROPER SHIPPING NAME: CONSUMER COMMODITY, ORM D

HAZARD CLASS: ORM-D ID NUMBER: NONE

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## SECTION III PHYSICAL PROPERTIES (TYPICAL)

Boiling point: Not applicable	Specific gravity: 1.33
Vapor pressure: Approx. 13mmHg	Volatile, % by volume: Approx. 94%
SCAQMD VOC: 93 g/l. (calculated from nominal composition)	
Vapor density: >1 (air=1)	Evaporation rate: >1 (BuAc=1)
Solubility in water: Negligible	pH: Not applicable
Appearance and odor:	
Deep violet liquid, chlorinated solvent odor	

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## SECTION IV - FIRE AND EXPLOSION HAZARDS:

## FLASH POINT AND METHOD USED:

Packaged as PSU: Nonflammable when tested per CSMA flammability test.

## EXTINGUISHING MEDIA:

Carbon dioxide, foam, water fog

## SPECIAL FIRE FIGHTING PROCEDURE AND PRECAUTIONS:

Use self-contained respiratory protection.

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

Contents under pressure. Heating above 120F may cause containers to burst. Thermal decomposition of contents may produce toxic oxides of carbon, nitrogen, and chlorine, acid gases and/or other toxic volatile organic compounds.

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## SECTION V - HEALTH AND EMERGENCY INFORMATION:

## EFFECTS OF OVER-EXPOSURE: EYES:

Vapors: Contact with eyes may cause moderate to severe irritation.

Liquid: Contact with eyes may cause severe irritation.

## SKIN:

Contact with skin may cause moderate to severe irritation, drying, defatting, readily absorbed through skin in toxic amounts.

## INHALATION:

Vapors: Headache, nausea, vertigo. Mists: Moderate to severe irritation of respiratory tract.

## INGESTION:

Moderate to severe irritation of gastrointestinal tract. May be harmful if swallowed. Toxic effects may not appear immediately.

## MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED:

Metabolism of methylene chloride to carbon monoxide may lead to accumulation of dangerous levels of carboxyhemoglobin which may not be tolerated by persons with impaired cardiopulmonary function. This may be aggravated by smoking. Fluorides and acid fluorides are cellular poisons. Any tissue coming in contact with these materials will be in danger of severe corrosive attack. No other known chronic effects that differ from acute effects.

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## SECTION VA - FIRST AID INFORMATION:

## FIRST AID: EYES:

Immediately begin flushing eyes with large volumes of water. Continue for at least 15 minutes. Hold lids apart to assure contact with all surfaces. Obtain medical attention.

## SKIN:

Speed is essential. Flush affected area with large volumes of water. Wash with soap and water. Rinse thoroughly. If irritation is evident or blistering occurs, obtain medical attention.

## INHALATION:

Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, apply artificial respiration. Obtain medical attention.

## INGESTION:

Do not induce vomiting except on advice of competent medical personnel. If victim is conscious, dilute by giving large volumes of milk or water. Obtain immediate medical attention. Never attempt to induce vomiting or give anything by mouth to an unconscious person.

PRIMARY ROUTES OF ENTRY ARE INHALATION AND SKIN CONTACT.

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## SECTION VI - REACTIVITY DATA:

## STABILITY: STABLE

## CONDITIONS TO AVOID:

Contact with strong oxidizing agents, strong acids, strongly heated reactive metals

## HAZARDOUS DECOMPOSITION PRODUCTS:

Toxic oxides of carbon, nitrogen and chlorine, acid gases, other toxic volatile organic compounds

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## SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURE:

## SPILL OR RELEASE PROCEDURE: CONCENTRATE

Relieve pressure on leaking containers by immediate use, or empty by spraying onto absorbent material. Dispose of emptied aerosol spray units as outlined below.

## USE SOLUTION:

Not applicable. This product is used as received.

## DISPOSAL INFORMATION: CONCENTRATE:

- (1) Transfer to reclaiming center for recycling or reuse, if possible.
- (2) Transfer to licensed hazardous waste treatment or disposal site for disposition under applicable local, state and regional regulations as hazardous waste. It may be necessary to empty spray cans and puncture them before disposal. Triple rinsing may allow disposal as nonhazardous waste.

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SPENT SOLUTION AND RINSES:  
Not applicable

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SECTION VIII - SPECIAL PROTECTION INFORMATION:  
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RESPIRATORY PROTECTION:

If TLV is exceeded, a NIOSH-approved self-contained breathing apparatus, positive pressure hose mask or an air line mask is advised. These should have a full face piece and be operated in a positive pressure mode. For limited exposure time, in areas of good ventilation, a full face mask with an organic vapor cartridge or canister may be used. These must not be used in any areas where a danger of oxygen deficiency exists, such as partly enclosed or low lying areas, including sumps or tanks. If respirators are used, a formal training and screening program must be initiated. See 29 CFR 1910-134.

VENTILATION:

Maintain sufficient mechanical ventilation to keep concentration below TLV.

PROTECTIVE EQUIPMENT:

Protective equipment: Face shield or goggles, gloves, boots and apron made of solvent resistant material (e.g. neoprene, viton, etc.). Protective suit not normally required, but advised if necessary to avoid prolonged or repeated skin contact or other exposure.

RECOMMENDED PERSONAL HYGIENE

Wash hands and face with soap and water before smoking or eating. Immediately remove all contaminated clothing. Launder separately before reuse.

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SECTION IX - OTHER INFORMATION:  
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SPECIAL PRECAUTIONS - STORAGE AND HANDLING:

Store in cool dry protected area away from source of excessive heat.

MIXING:

Does not apply.

REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT:

Not applicable

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TELE COMMUNICATIONS

PLEASE DELIVER THE FOLLOWING PAGE(S) ASAP TO:

NAME: ROGER FERMAN  
DPM 1422

COMPANY: DOUGLAS AIRCRAFT

TELECOPIER NO: 310-5939838

FROM: CONNIE

TOTAL NUMBER OF PAGES, INCLUDING THIS SHEET: 9

I AM SENDING YOU MSDS's FOR THE FOLLOWING TURCO PRODUCTS:

TURCO 4385  
TURCO 4385 PSU

IF YOU ARE HAVING TROUBLE RECEIVING ANY OF THESE DOCUMENTS,  
PLEASE CONTACT TRACY WILLERT (714) 890-3654

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